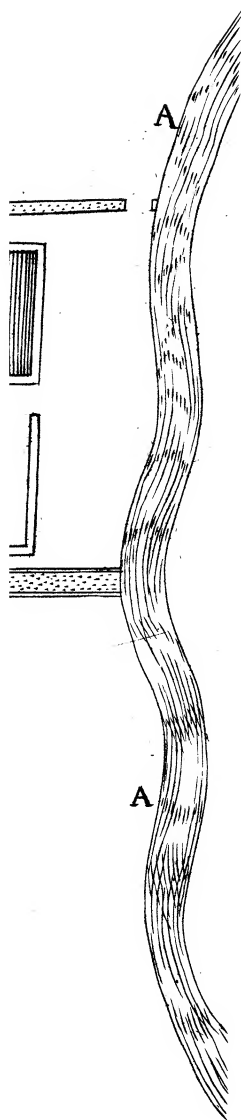


tions n° 228.



Handwritten text in a stylized, cursive script, possibly representing a name or a short phrase. The characters are dark and bold, with some internal hatching or shading. The text is arranged in two lines: the top line contains three distinct groups of characters, and the bottom line contains a single, longer sequence of characters.

[illegible]



VIII. *An Account of the making Pitch, Tar, and Oil out of a blackish Stone in Shropshire, communicated by Mr. Martin Ele the Inventor of it.*

**I**N *Brosely, Bently, Pitchford*, and other places adjacent in *Shropshire*, there lies over most of the Coal-pits or Mines, a Stratum or Layer of a Blackish Rock, or Stone of some thickness which is *Porous*, and contains in it great quantities of Bituminous Matter.

This Stone being brought to the Workhouse is ground small by Horse Mills, such as are used for grinding Flints to make Glass of; the Powder is thrown into great Coppers of Water, where by boiling, the Bituminous Matter is separated from the Stony or gritty, this last sinking to the bottom, the other swimming at top of the Water.

This Bituminous Substance being gathered together and evaporated, comes to the Consistence of Pitch, and with the help of an Oil distilled from the same Stone, and mix'd with the Pitch comes to be thinner or like Tarr, the Uses of both which Materials either for Shipping or otherwise, these substances are said to supply, nay even go beyond. And this has been tried on several Boats this Three or Four Years past, and does not crack as the ordinary Pitch or Tarr, but always keeps black and soft, and therefore is proposed to hinder the Worm from getting into the Ships pitched with it.

There is likewise Distilled from this Stone, an Oil which may be used for Oil of Petre, or Turpentine, and has been tried by divers Persons in Aches or Pains.

The whole will be better conceived by the following Figure 4. Where

*A. A.* Represents the River *Severn*.

*B. B.* The Hills or Rocks where are the Coal-pits or Mines.

*C. C. C.* The Pits from whence those Stones are taken.

*D.* The Store-house whither they are brought.

*E. E. E.* Are 3 Horse-Mills for grinding them to Powder.

*ffffffffff*. Are Coppers wherein the Bituminous Matter is separated from the stony or gritty by being boiled in them.

*G.* The Still-house for the Distilling the Oil.

*H. H. H.* The road from the Coal-pits to the *Severn*.

*I.* A well of Water to supply the Coppers.

IX. Account

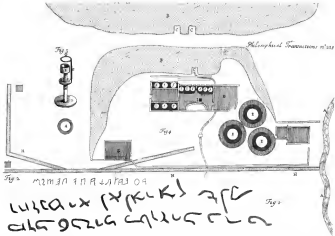


Fig 2. A plan of the apparatus as it was when first used.

The apparatus was first used  
 on the 1st of January 1812  
 and the results were as follows